FEDERAL ITEM IDENTIFICATION GUIDE

RADIO AND TELEVISION COMMUNICATION EQUIPMENT

This Reprint replaces FIIG T198, dated October 2, 2009.

Commander

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BY ORDER OF THE DIRECTOR

/s/

Commander

Defense Logistics Information Service

Contents

GENERAL INFORMATION

1. Purpose and Scope

This Federal Item Identification Guide (FIIG) is a self-contained document for the collection, coding, transmittal, and retrieval of item characteristics and related supply management data for an item of supply for logistical use. This FIIG is to be used to describe items of supply identified by the index of approved item names appearing in this section.

2. Contents

This FIIG is comprised of the following:

Index of Approved Item Names Covered by this FIIG
Applicability Key Index
Section I - Item Characteristics Data Requirements
Section III - New text that should be here.
Appendix A - Reply Tables
Appendix B - Reference Drawing Groups (as applicable)
Appendix C - Technical Data Tables (as applicable)

a. Index of Approved Item Names Covered by this FIIG:

The index lists the approved item names with definitions and item name codes as they appear in Cataloging Handbook H6, applicable to this FIIG. In addition, each name entry is assigned an applicability key for use in relating the characteristics requirements in Section I to the specific item name.

b. Applicability Key Index:

The purpose of this index is to provide the user with a ready reference for determining the specific requirements which are applicable to a given approved item name. This index lists all requirements in sequence as they appear in the FIIG. The applicability of a Master Requirement Coded requirement is indicated by the column headed by the specific item name applicability key as follows:

(1) The letter "X" indicates the requirement must be answered for a full descriptive item.

(2) The letters "AR" indicate the requirement is to be answered as required by (1) instructional notes within the FIIG; (2) when the reply is predicated on replies to a related main requirement; or (3) when an asterisk (*) is used in conjunction with the applicability key column in Section I.

(3) A blank in the column indicates the requirement is not applicable to the specific item name.

c. Section I - Item Characteristics Data Requirements:

This section contains the physical and performance characteristics requirements needed to describe and identify an item of supply. These characteristics differentiate one item from all other items of supply and are to be used to meet the needs of all supported functions. This section is arranged in columns. Identification of each column and instructions pertinent thereto are as follows:

(1) Applicability Key:

The first column shows the applicability key(s) for each requirement. It indicates whether the requirement need be satisfied for the item being identified. "ALL" indicates that the requirement must be answered for all items covered by the FIIG. One or more alphabetic character(s) or group of one or more alphabetic characters indicates a response is required when describing items with an approved item name or names represented by the key(s). An asterisk (*) used in conjunction with any applicability key indicates that the characteristic stated in the requirement may not be applicable to all items covered by the FIIG.

(2) Master Requirement Codes (MRC):

A four-position code which is assigned to a FIIG requirement for identification of the requirement, cross-referencing requirements in the various sections and appendices of the FIIG, and for mechanized processing and retrieval of FIIG generated data. Absence of a MRC for a requirement indicates a lead-in to requirements with individual MRCs in Appendix B.

(a) The coding technique for providing MULTIPLE/OPTIONAL responses will not be used for a Section I requirement assigned Mode Code A or L that leads to Appendix B sketches with dimensional requirements.

(b) Identified Secondary Address Coding:

This technique is for extending the Master Requirement Code so that a unique address is provided for each application of the requirement in relation to the item and is authorized only as instructed within the requirement. Responses coded through this technique will always consist of the following: (1) Master Requirement Codes, (2) indicator code (a single numeric character determined by the number of positions contained), (3) identified secondary address code (1 to 3-digit alphabetic codes determined by the number of predicted replies), (4) the mode code, (5) the reply code and/or clear text response, and (6) end with a record separator (*). Steps (1) through (6) are repeated for each application of the requirement.

(c) AND/OR coding:

A technique for extending the Master Requirement Code to provide a distinctive address for multiple responses to the same requirement. Responses coded through this technique will always consist of (1) Master Requirement Code, (2) mode code, (3) the response or reply code (as instructed by the requirement), (4) a single dollar sign ($) for an OR condition, or a double dollar sign ($$) for an AND condition, (5) the mode code, (6) the response or reply code

(followed by conditions (4) through (6) for each of the multiple responses) and (7) end with a record separator (*). NOTE: Apply this technique only when instructed by the requirement sample reply (e.g.).

(3) Mode Code:

A one-position alphabetic code that specifies the manner in which a response will be prepared. Each requirement assigned a MRC is also assigned a mode code. Sample replies follow each FIIG requirement displaying the proper construction of a response for the assigned mode code. The response to a requirement will always be prepared in accordance with the assigned mode code and sample reply except in the following instances:

(a) Use of E Mode Code replies is not authorized. If a reply needed to describe an item is not listed in the applicable table, contact the FIIG Initiator.

(b) Mode Code K may not be used for any requirement unless instructed by the requirement instructions.

(4) Requirement:

This portion includes the characteristics data elements and data use identifiers required to identify and differentiate one item of supply from another, narrative definitions, and explanations as to use and method of expression. Instructions for coding and preparing replies are also provided.

(5) Reply Code:

A code that represents an established authorized reply to a requirement.

d. Section III - Supplementary Technical and Supply Management Data:

This section includes those characteristics requirements necessary to support specific logistics functions other than National Stock Number assignment.

e. Appendix A - Reply Tables:

Tables of authorized replies to requirements and reply codes when the tables are too lengthy for inclusion in Section I/III, when applicable.

f. Appendix B - Reference Drawings:

This appendix contains representative illustrations which portray specific variations of one or more generic characteristics. If reference drawings contain requirements pages to be used in conjunction with illustrations for dimensioning purposes, the requirements pages will contain Master Requirement Codes, mode codes, and a statement of the requirement. A response to requirements on a requirements page is necessary only for those Master Requirement Codes applicable to the illustration selected.

g. Appendix C - Technical Data Tables:

This appendix contains conversion charts and similar data pertinent to the requirements in Section I/III, when applicable.

3. Enter administrative MRC CLQL immediately following the last FIIG requirement reply, as instructed below:

MRC	Mode Code	Requirement	Example
CLQL	G	COLLOQUIAL NAME (common usage name by which an item is known)	CLQLGWOVEN WIRE CLOTH*

4. Special Instructions and Indicator Definitions

a. Measurements:

Unless otherwise indicated within a requirement example, enter all measurements in decimal form, carried to the nearest three decimal places, with a minimum of one digit preceding the decimal. For SI (metric), enter all measurements with a minimum of one digit before and after the decimal. For fraction to decimal conversion, see Appendix C.

b. Indicators:

A cross hatch (#) following an AIN, MRC, Reply Code or Drawing Number indicates for "ALL EXCEPT USA" use only.

5. Indexes

a. Index of Data Requirements

This index is arranged in alphabetic sequence by Master Requirement Code, cross-referenced to the applicable data requirement and page number(s).

b. Index of Approved Item Names

This index is arranged in alphabetic sequence referenced to Applicability Key.

c. Applicability Key Index

This index is arranged in Applicability Key Sequence.

6. Maintenance

Requests for revisions and other changes will be directed to:

[Page Break]

MRC Index

INDEX OF APPROVED ITEM NAMES COVERED BY THIS FIIG

Approved Item Name	INC	App Key
BASE STATION, RADIO SET	50292	BB

An item that remains in a fixed location and communicates with mobile stations. May communicate with other base stations incident to communications with land mobile stations. Transmits and receives and provides communication between the station and its control point. May be locally controlled and/or remote controlled. Is normally installed on a desk, tabletop, or shelf.

CAMERA, TELEVISION	00091	BB

A single component specifically designed to convert visual images (either still or in motion), utilizing an optical system and a light sensitive electron tube or light sensitive semiconductor elements, into electrical impulses. Control equipment may be included. For items with integral recording or integral recording and reproducing equipment, see CAMERA-RECORDING, VIDEO.

DISPLAY UNIT, TELEVISION, MULTIFUNCTION	53323	BB

An item which has multi-functional capabilities to display images from several remotely located television cameras over a closed circuit system or information from other sources, such as digital data. The images may come from an airborne target identification system or in a nonairborne security system. Excludes DISPLAY UNIT, RADAR; DISPLAY, OPTOELECTRONIC; and INDICATOR, DIGITAL DISPLAY.

LIMITER, ELECTRICAL NOISE	01871	AA

A single component utilizing electron tube(s), semiconductor device(s), or metallic rectifier(s), specifically designed to be added to a radar or radio receiver for limitation of noise signals. See also ABSORBER, OVERVOLTAGE and FILTER, RADIO FREQUENCY INTERFERENCE.

MONITOR SET, TELEVISION	61592	BB

A complete electronic set for the display of images transmitted over a closed electrical circuit by a compatible television camera. The item may include an audio channel, but does not include the radio frequency components required for reception of video signals from a television transmitting set. For items that include these components, see RECEIVING SET, TELEVISION.

MONITOR, TELEVISION	61591	BB

An item for the display of images transmitted over a closed electrical circuit by a compatible television camera. The item may include an audio channel, but does not include the radio frequency components required for reception of video signals from a television transmitting set. For items that include these components, see RECEIVER, TELEVISION. For items that provide similar data by means of other than closed circuit television, see INDICATOR, VIDEO.

Approved Item Name	INC	App Key
NAVIGATION SET, DOPPLER	45851	BB

A fixed number or consolidation of components and/or items of an electronic navigation system that automatically provides orthogonal components of aircraft velocity. It provides the navigation function between designated waypoints when combined with aircraft heading, pitch and roll.

NAVIGATION SET, SATELLITE SIGNALS	39376	BB

A fixed number of components and/or items, not all having the same basic name, of a ground or airborne navigation set that acquires and tracks signals from a constellation of orbital satellites to obtain time and three-dimensional position and velocity directly or in conjunction with subsystems of the host vehicle. Excludes stand alone navigation systems, such as inertial navigation set.

NAVIGATION SET, TACAN	47575	BB

A group of items and/or components, not all having the same basic name, which automatically and continuously determine and display bearing and distance information derived from ultra high radio frequency transmissions.

NAVIGATIONAL SET, TACAN #	19531	BB

A fixed number of components and/or items, not all having the same basic name, of an electronic navigational system that automatically and continuously determines and displays bearing and distance information.

RADAR DATA TRANSFER SYSTEM	19532	BB

Two or more sets of a fixed number of components and/or items, not having the same basic name, required for the transmission by radio of signals from the receiving component of a radar set to a distant radio receiving set.

RADIO SET	19533	BB

A fixed number of components and/or items, not all having the same basic name, utilizing radio frequency electromagnetic waves in space to carry two-way intelligence. Excludes RADAR SET; FACSIMILE SET; RECEIVING SET, RADIO; RECEIVER-TRANSMITTER, RADIO; and RECEIVING SET, TELEVISION.

RADIO TELETYPEWRITER SET	19534	BB

A fixed number of components and/or items, not all having the same basic name, that provides cascaded RADIO SET and TELE-TYPEWRITER SET facilities for the transmission and reception of intelligence. See also RECEIVER-TELETYPEWRITER SET, RADIO.

RADIO TERMINAL, LINE OF SIGHT MULTI-CHANNEL	47269	BB

An item that provides narrow band radio communications over a terrestrial link. This radio link can be established over two or more distinct radio bands and provides multi-channel capability in each of these bands. See also RADIO TERMINAL SET.

Approved Item Name	INC	App Key
RECEIVER (1), SATELLITE #	50119	BB

A receiver designed to receive signals transmitted by a satellite. The item processes those signals for processing in a RECEIVING SET, TELEVISION and/or a RECEIVING SET, RADIO. It may include an antenna positioning and storage device.

RECEIVER (1), TELEVISION	19503	BB

A receiver for the display of signals propagated by a television transmitting set. May include audio channel. For items that do not include radio frequency components, see MONITOR, TELEVISION. See also INDICATOR, VIDEO.

RECEIVING SET, TELEVISION	19508	BB

A complete electronic set for the reception of signals propagated by a television transmitting set. May include audio channel. See also RECEIVER (1), TELEVISION.

RECORDER, AZIMUTH	19628	AB

An item which makes a permanent representation of the angle measured in a horizontal plane between a target and a selected reference line. Does not include RECORDER, AZIMUTH DEVIATION.

RECORDER, AZIMUTH-ELEVATION-RANGE	19096	AB

An item which makes a permanent representation of the angle between a fixed reference point and a target in a horizontal plane, the angle between a fixed point and a target in a vertical plane, and the distance between a reference point and a target. May include accessories.

RECORDER, COORDINATE DATA	60900	AB

An item that makes a permanent representation of two or more coordinates as received from associated equipment.

RECORDER, INTERCEPT TIME	60901	AB

An item that makes a permanent representation of the time elapsed in the interception of a target(s).

RECORDER, RADAR MAPPING	60903	AB

A single component for making a permanent photographic representation of terrestrial data derived from a side-looking radar set. The item consists of an optical system for converging target returns appearing on two radar set indicators on an integral film strip, and includes provisions for synchronization of film and aircraft ground speeds. The item produces a radar map in cartesian coordinates of a ground strip on each side of the aircraft ground track.

RECORDER, RADIO FREQUENCY	19629	AB

A component which is designed to be electrically connected to a receiver and make a permanent representation of the signals received over a band of frequencies. Excludes RECORDER, SOUND; RECORDER, VIDEO.

Approved Item Name	INC	App Key
RECORDER, SIGNAL DATA	21118	AB

An item which makes a permanent representation of electronic signal data derived from target parameters, guidance and evaluation signals, and the like. These signals may be above or below 20,000 cycles per second. They may be in digital and/or analog form, the characteristics of which limits useful playback to a compatible reproducer. These items usually include multichannel signal input facilities for the simultaneous recording of several type of signals. Excludes RECORDER, SOUND.

RECORDER, SONAR DATA	52773	AB

An item designed to record sonar data on paper or other data media, thus enabling the reconstruction of preceding events.

RECORDER, TELEGRAPH CODE, TAPE	00355	AB

A component or item which makes a permanent representation of coded telegraph information on tape by embossing, punching, or inking. It does not include items of this type which record on wire or film. For recorders used with teletypewriter systems, see PERFORATOR, TELETYPEWRITER; and REPERFORATOR, TELETYPEWRITER.

RECORDER, TELEMETRIC DATA	05666	AB

A device which makes a permanent record of meter and/or instrument data received by a telemetric data receiver on a medium such as tape. It does not include audio or radio frequency amplifiers or switches. See also ANALYZER, TELEMETRIC DATA; and RECEIVING SET, TELEMETRIC DATA.

RECORDING SET, SIGNAL DATA	00170	AB

A complete electronic set for making a permanent representation of electronic signal data derived from target parameters, guidance and evaluation signals, and the like. These signals may be above or below 20,000 hertz. They may be in digital or analog form, the characteristics of which limits useful playback to a compatible reproducer. These items usually include multichannel signal input facilities for the simultaneous recording of several types of signals. Excludes RECORDER SET, SOUND.

REPEATER, RADIO	05811	BA

An item designed to receive, amplify electronically, and automatically retransmit the received signal, either by high fidelity reproduction or with such modulation on the signal as may be desired.

REPEATER SET, RADIO	05812	BA

A complete grouping of electronic items, having the same basic name, specifically designed to receive, amplify, and automatically retransmit the received signal, either by high fidelity reproduction or with such modulation on the signal as may be desired.

TELEVISION SET	19535	BB

A fixed number of components and/or items, not all having the same basic name, for the transmission and reception of television signals.

Approved Item Name	INC	App Key
VIDEO TERMINAL, MULTIFUNCTIONAL REMOTE	68197	BB

A portable and modular data collection system enabling warfighters to remotely download surveillance images, near real-time video, and critical geo-spatial data directly from Unmanned Aircraft Systems (UAS) and manned aircraft. Additional capabilities include the capture of embedded metadata on a moving map from live or recorded video, control of UAS payloads, and waypoint control of UAS. Configuration may include ruggedized laptop computers or monitors, fixed and portable antenna assemblies, multiband receivers or transmitters, global position systems, and applicable integration software.

VIEW FINDER, CAMERA, TELEVISION	41322	BB

A device attached to, built into, or for use in conjunction with a television or video camera, to indicate electronically the area of subject matter included in the field of view of the camera lens.

APPLICABILITY KEY INDEX

	AA	AB
NAME	X	X
APSZ	X	
APTA	X	
ANBK		X
ARYS		X
ANMQ		AR
APQH		AR
AKWC	AR	AR
ACYN	AR	AR
ACZB	AR	AR
FAAZ	AR	AR
ACYR	AR	AR
ALSF	AR	AR
ABHP	AR	AR
ABMK	AR	AR
ADAV	AR	AR
ABKW	AR	AR
ABFY	AR	AR
ALGC	AR	
AKWA	AR	AR
AKWB	AR	AR
RADC	AR	AR
FEAT	AR	AR
TEST	AR	AR
SPCL	AR	AR
ZZZK	AR	AR
ZZZT	AR	AR
ZZZW	AR	AR
ZZZX	AR	AR
ZZZY	AR	AR
CRTL	AR	AR
PRPY	AR	AR
ENAC	AR	AR
STBY	AR	AR
ELRN	AR	AR
NHCF	AR	AR
ELCD	AR	AR
AFJK	AR	AR
AGAV	AR	AR
AMQY	AR	AR
AWJN	AR	AR
RADD	AR	AR
PRMT	AR	AR
PMWT	AR	AR
PMLC	AR	AR
SUPP	AR	AR
FCLS	AR	AR
FTLD	AR	AR

TMDN	AR	AR
RTSE	AR	AR
RDAL	AR	AR
NTRD	AR	AR
ZZZP	AR	AR
ZZZV	AR	AR
CXCY	AR	AR

	BA	BB
NAME	X	X
APHE	X	
APWN		AR
APWP		AR
ANKZ	AR	
APWQ	AR	AR
APWR	AR	AR
APWS	X	X
APWT	X	
APQA	X	
AEHX		X
AKWC	AR	AR
ACYN	AR	AR
ACZB	AR	AR
FAAZ	AR	AR
ACYR	AR	AR
ALSF	AR	AR
AFHS	AR	AR
AKVY	AR	AR
AFJH	AR	AR
AKVZ	AR	AR
AJJX	AR	AR
AJJY	AR	AR
AJJZ	AR	AR
AJKA	AR	AR
AJKB	AR	AR
AKWA	AR	AR
AKWB	AR	AR
RADC	AR	AR
FEAT	AR	AR
TEST	AR	AR
SPCL	AR	AR
ZZZK	AR	AR
ZZZT	AR	AR
ZZZW	AR	AR
ZZZX	AR	AR
ZZZY	AR	AR
CRTL	AR	AR
PRPY	AR	AR
ENAC	AR	AR
STBY	AR	AR
ELRN	AR	AR
NHCF	AR	AR
ELCD	AR	AR
AFJK	AR	AR
AGAV	AR	AR
AMQY	AR	AR
AWJN	AR	AR
RADD	AR	AR
PRMT	AR	AR
PMWT	AR	AR
PMLC	AR	AR
SUPP	AR	AR

FCLS	AR	AR
FTLD	AR	AR
TMDN	AR	AR
RTSE	AR	AR
RDAL	AR	AR
NTRD	AR	AR
ZZZP	AR	AR
ZZZV	AR	AR
CXCY	AR	AR

[Page Break]

Body

SECTION: A

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code. (e.g., NAMED21118*)

AA

APSZ	D	LIMITING TYPE

Definition: INDICATES THE TYPE OF DEVICE WHICH LIMITS THE AMPLITUDE OF A SIGNAL.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APSZDAB*)

REPLY CODE	REPLY (AK80)
A	ANY ACCEPTABLE
AB	CRYSTAL RECTIFIER
AC	ELECTRON TUBE
AM	TRANSISTOR

AA

APTA	D	LIMITING ADJUSTABILITY

Definition: AN INDICATION OF WHETHER OR NOT THE LIMITING ACTION IS ADJUSTABLE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APTADB*)

REPLY CODE	REPLY (AC06)
B	ADJUSTABLE
C	NOT ADJUSTABLE

APP Key	MRC	Mode Code	Requirements

AB

ANBK D RECORDING METHOD

Definition: THE MEANS BY WHICH THE ITEM RECORDS INFORMATION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ANBKDAAN*; ANBKDAAN$$DAAP*)

REPLY CODE	REPLY (AJ42)
A	ANY ACCEPTABLE
AAY	CHART CARD
AAN	PHOTOFILM CHART
AAP	SENSITIZED PAPER
AAQ	TAPE

AB

ARYS G INFORMATION RECORDED

Definition: INDICATES THE TYPE OF INFORMATION THE ITEM WILL RECORD.

Reply Instructions: Enter the reply in clear text. (e.g., ARYSGATTACK DISPLAY*)

Separate multiple replies with a semicolon. (e.g., ARYSGANTENNA AZIMUTH POSITION;DEFLECTION VOLTAGE*)

AB*

ANMQ A CHANNEL QUANTITY

Definition: THE NUMBER OF CHANNELS ON THE ITEM.

Reply Instructions: Enter the quantity. (e.g., ANMQA4*; ANMQA2$$A4*)

AB*

APQH A TOTAL CHANNEL QUANTITY

Definition: THE TOTAL NUMBER OF CHANNELS ON THE ITEM.

Reply Instructions: Enter the quantity. (e.g., APQHA12*; APQHA12$$A16*)

APP
Key MRC Mode Code Requirements

NOTE FOR MRCS AKWC, ACYN, ACZB, FAAZ, ACYR, AND ALSF: REPLY TO MRC AKWC IF THE SOLE POWER SOURCE IS SELF-CONTAINED OR IF A SINGLE EXTERNAL POWER SOURCE IS SPECIFIED. IF MORE THAN ONE EXTERNAL POWER SOURCE, DO NOT REPLY TO MRC AKWC. THE TYPE OF POWER SOURCE IS IDENTIFIED IN MRCS ACYN, ACZB, FAAZ, ACYR, AND ALSF.

ALL* (See Note Above)

AKWC D ELECTRICAL POWER SOURCE RELATIONSHIP

Definition: THE RELATIONSHIP OF THE ELECTRICAL POWER SOURCE TO THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AKWCDAB*)

A self-contained power source shall be interpreted as being a power source, such as a gasoline or diesel engine generator, or vehicular electrical system when the vehicle utilized as the power source is included in the item.

When the item includes a self-contained power source and the item is also designed for the operation from an external power source, the external power source is considered alternate operating. Under this condition reply only alternate operating.

When the item is powered by external power source(s) only, it is considered operating. When the item is powered solely by internal batteries, these batteries do not constitute a self-contained power source but are considered operating.

REPLY CODE	REPLY (AH00)
AB	ALTERNATE OPERATING
AC	OPERATING
AD	SELF-CONTAINED

NOTE FOR MRCS ACYN, ACZB, FAAZ, ACYR, AND ALSF: IF OTHER THAN REPLY CODE AD IS ENTERED FOR MRC AKWC, REPLY TO THESE MRCS, AS APPLICABLE. SEE APPENDIX C, TABLE 1, FOR IDENTIFIED SECONDARY ADDRESS CODING INSTRUCTIONS.

ALL* (See Note Above and Preceding MRC AKWC)

ACYN J AC VOLTAGE RATING

APP Key	MRC	Mode Code	Requirements

Definition: THE VALUE, OR RANGE OF VALUES, OF ROOT MEAN SQUARE POTENTIAL FOR WHICH THE ITEM IS RATED.

Reply Instructions: Enter the applicable I/SAC from Appendix C , Table 1, followed by the Mode Code and the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACYN1AJVA110.0; ACYN1BJVB117.0$$JVC122.0; ACYN1CJVB105.0$$JVC115.0*)*

Table 1

REPLY CODE	REPLY (AB63)
K	KILOVOLTS
M	MEGAVOLTS
U	MICROVOLTS
L	MILLIVOLTS
V	VOLTS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRCs AKWC and ACYN)

ACZB	J	FREQUENCY RATING

Definition: THE NUMBER OF COMPLETE CYCLIC CHANGES, PER UNIT OF TIME, FOR WHICH AN ITEM IS RATED.

Reply Instructions: Enter the applicable I/SAC from Appendix C , Table 1, followed by the Mode Code and the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACZB1AJEA60.0; ACZB1BJEB50.0$$JEC60.0*)*

Table 1

REPLY CODE	REPLY (AC32)
G	GIGAHERTZ
E	HERTZ
K	KILOHERTZ
M	MEGAHERTZ

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM

APP Key	MRC	Mode Code	Requirements
		C	MAXIMUM

ALL* (See Note Preceding MRCs AKWC and ACYN)

FAAZ D PHASE

Definition: THE NUMBER OF ALTERNATING CURRENT PHASES.

Reply Instructions: Enter the applicable I/SAC from Appendix C , Table 1, followed by the Mode Code and the applicable Reply Code from the table below. (e.g., FAAZ1ADB; FAAZ1BDA$DB*)*

REPLY CODE	REPLY (AD02)
A	SINGLE
E	SINGLE/THREE
C	THREE
B	TWO

ALL* (See Note Preceding MRCs AKWC and ACYN)

ACYR J DC VOLTAGE RATING

Definition: THE VALUE, OR RANGE OF VALUES, OF DIRECT CURRENT POTENTIAL FOR WHICH THE ITEM IS RATED.

Reply Instructions: Enter the applicable I/SAC from Appendix C , Table 1, followed by the Mode Code, followed by the applicable Reply Codes from Tables 1 and 2 below and the numeric value. (e.g., ACYR1AJVA110.0; ACYR1AJVB6.0$$JVC12.0*; ACYR1BJVB24.0$$JVC36.0*)*

Table 1

REPLY CODE	REPLY (AB63)
K	KILOVOLTS
M	MEGA VOLTS
U	MICROVOLTS
L	MILLIVOLTS
V	VOLTS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

ALL* (See Note Preceding MRCs AKWC and ACYN)

ALSF D INTERNAL BATTERY ACCOMMODATION

Definition: AN INDICATION OF WHETHER OR NOT A FACILITY(IES) TO ACCOMMODATE A BATTERY(IES) IS INCLUDED.

Reply Instructions: Enter the applicable I/SAC from Appendix C , Table 1, followed by the Mode Code and the applicable Reply Code from the table below. (e.g., ALSF1ADB; ALSF1BDC*)*

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL*

ABHP J OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA8.000*; ABHPJLA25.4*; ABHPJAB3.500$$JAC4.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABMK J OVERALL WIDTH

APP
Key MRC Mode Code Requirements

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA2.500*; ABMKJLA25.4*; ABMKJAB3.500$$JAC4.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ADAV J OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA2.400*; ADAVJLA25.4*; ADAVJAB3.500$$JAC4.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABKW J OVERALL HEIGHT

APP Key	MRC	Mode Code	Requirements

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA2.500*; ABKWJLA25.4*; ABKWJAB3.500$$JAC4.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABFY J OVERALL DEPTH

Definition: AN OVERALL MEASUREMENT BETWEEN SPECIFIED POINTS OF AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABFYJAA2.400*; ABFYJLA25.4*; ABFYJAB3.500$$JAC4.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

AA*

ALGC G MOUNTING CONFIGURATION

APP Key	MRC	Mode Code	Requirements
			Definition: THE PATTERN OR ARRANGEMENT THAT DESCRIBES THE MOUNTING CONFIGURATION OF THE ITEM. Reply Instructions: Enter the reply in clear text. (e.g., ALGCGFOUR 0.125 IN. DIA MTG HOLES ON 2 IN. BY 2 IN. MTG CENTERS*)
ALL*			
	AKWA	G	JOINT ELECTRONICS TYPE DESIGNATION SYSTEM ITEM NAME
			Definition: THE NAME ASSIGNED TO THE ITEM BY THE JOINT ELECTRONICS TYPE DESIGNATION SYSTEM. Reply Instructions: Enter the reply in clear text. (e.g., AKWAGPUBLIC ADDRESS SET*)
ALL*			
	AKWB	G	JOINT ELECTRONICS TYPE DESIGNATION SYSTEM ITEM TYPE NUMBER
			Definition: THE TYPE NUMBER ASSIGNED TO THE ITEM BY THE JOINT ELECTRONICS TYPE DESIGNATION SYSTEM. Reply Instructions: Enter the reply in clear text. (e.g., AKWBGAN/TIPIA*)

SECTION: B

APP Key	MRC	Mode Code	Requirements

ALL

NAME D ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code. (e.g., NAMED05812*)

BA

APHE D OPERATION METHOD

Definition: THE MEANS USED TO OPERATE THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APHEDCM*)

REPLY CODE	REPLY (AC58)
A	ANY ACCEPTABLE
CM	CONTINUOUS MULTIPLEXING
CN	TIME SHARING MULTIPLEXING
CP	TIME SHARING TIME DELAY

BB*

APWN J RECEIVER FREQUENCY RATING

Definition: THE NUMBER OF COMPLETE CYCLE CHANGES OF RADIATED ENERGY, PER UNIT OF TIME, FOR WHICH THE RECEIVER IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., APWNJKA455.0*; APWNJMB154.2$$JMC163.5*; APWNJMA30.0$$JMA76.0*)

Table 1

REPLY CODE	REPLY (AC32)
G	GIGAHERTZ
E	HERTZ
K	KILOHERTZ
M	MEGAHERTZ

Table 2

REPLY CODE	REPLY (AC20)

APP Key	MRC	Mode Code	Requirements
		A	NOMINAL
		B	MINIMUM
		C	MAXIMUM

BB*

APWP J TRANSMITTER FREQUENCY RATING

Definition: THE NUMBER OF COMPLETE CYCLE CHANGES OF RADIATED ENERGY, PER UNIT OF TIME, FOR WHICH THE TRANSMITTER IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., APWPJKA455.0*; APWPJMB154.2$$JMC163.5*; APWPJMA2.0$$JMA18.0*)

Table 1

REPLY CODE	REPLY (AC32)
G	GIGAHERTZ
E	HERTZ
K	KILOHERTZ
M	MEGAHERTZ

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

BA*

ANKZ J RADIO FREQUENCY RATING

Definition: THE NUMBER OF COMPLETE CYCLE CHANGES OF RADIATED ELECTROMAGNETIC ENERGY, PER UNIT OF TIME, FOR WHICH AN ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ANKZJKA455.0*; ANKZJKB154.2$$JKC163.5*; ANKZJMB601.5$$JMC999.5$JMB1350.5$$JMC1849.5*)

Table 1

REPLY CODE	REPLY (AC32)
G	GIGAHERTZ

APP Key	MRC	Mode Code	Requirements
		E	HERTZ
		K	KILOHERTZ
		M	MEGAHERTZ

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

APWQ J FREQUENCY BAND TYPE AND QUANTITY

Definition: INDICATES THE TYPE AND NUMBER OF FREQUENCY BANDS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., APWQJAB2*)

For multiple replies to different types of bands, enter the quantity in ascending order. (e.g., APWQJAB2$$JAC4*)

REPLY CODE	REPLY (AK27)
AB	RECEIVING
AC	TRANSMITTING

ALL*

APWR J FREQUENCY CHANNEL TYPE AND QUANTITY

Definition: INDICATES THE TYPE AND NUMBER OF FREQUENCY CHANNELS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the quantity. For different channels, enter the quantity in ascending order. (e.g., APWRJAB4*; APWRJAB2$$JAC4$JAC12*)

REPLY CODE	REPLY (AK27)
AB	RECEIVING
AC	TRANSMITTING

APP Key	MRC	Mode Code	Requirements

ALL

APWS H EMISSION TYPE

Definition: A CLASSIFICATION OF RADIO FREQUENCY EMISSION IN WHICH THE MODULATION, TRANSMISSION, AND/OR SUPPLEMENTARY CHARACTERISTICS ARE REPRESENTED BY SYMBOLS.

Reply Instructions: Enter the applicable Reply Codes from Appendix A , Table 2, and the table below. For optional or multiple emission types, use AND/OR coding ($$/$), entering replies in Table 2 sequence. (e.g., APWSHAARAB*; APWSHAALAB$$HAAWAB*; APWSHAAZAC$HAAWAC*)

REPLY CODE	REPLY (AK27)
AB	RECEIVING
AC	TRANSMITTING

BA

APWT D RETRANSMITTED SIGNAL MODULATION

Definition: AN INDICATION OF WHETHER OR NOT MODULATION IS INCLUDED TO THE RETRANSMITTED SIGNAL.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APWTDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

BA

APQA B OVERALL GAIN IN DECIBELS

Definition: THE AMOUNT OF OVERALL INCREASE IN POWER, EXPRESSED IN DECIBELS.

Reply Instructions: Enter the numeric value. (e.g., APQAB10.0*)

BB

APP Key	MRC	Mode Code	Requirements
	AEHX	J	MAXIMUM POWER DISSIPATION RATING

Definition: THE MAXIMUM AMOUNT OF ELECTRICAL ENERGY THAT CAN BE EXPENDED BY AN ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AEHXJW30.0*; AEHXJW400.0$$JW450.0*)

REPLY CODE	REPLY (AC33)
L	KILOWATTS
M	MILLIWATTS
W	WATTS

NOTE FOR MRCS AKWC, ACYN, ACZB, FAAZ, ACYR, AND ALSF: REPLY TO MRC AKWC IF THE SOLE POWER SOURCE IS SELF-CONTAINED OR WHEN A SINGLE EXTERNAL POWER SOURCE IS SPECIFIED. IF MORE THAN ONE EXTERNAL POWER SOURCE, DO NOT REPLY TO MRC AKWC. THE TYPE OF POWER SOURCE IS IDENTIFIED IN MRCS ACYN, ACZB, FAAZ, ACYR, AND ALSF.

ALL* (See Note Above)

	AKWC	D	ELECTRICAL POWER SOURCE RELATIONSHIP

Definition: THE RELATIONSHIP OF THE ELECTRICAL POWER SOURCE TO THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AKWCDAB*; AKWCDAB$DAC*)

A self-contained power source shall be interpreted as being a power source, such as a gasoline or diesel engine generator, or vehicular electrical system when the vehicle utilized as the power source is included in the item.

When the item includes a self-contained power source and the item is also designed for operation from an external power source, the external power source is considered alternate operating. Under this condition reply only alternate operating.

When the item is powered by external power source(s) only, it is considered operating. When the item is powered solely by internal batteries, these batteries do not constitute a self-contained power source but are considered operating.

REPLY CODE	REPLY (AH00)
AB	ALTERNATE OPERATING

APP Key	MRC	Mode Code	Requirements
		AC	OPERATING
		AD	SELF-CONTAINED

NOTE FOR MRCS ACYN, ACZB, FAAZ, ACYR, AND ALSF: IF OTHER THAN REPLY CODE AD IS ENTERED FOR MRC AKWC, REPLY TO THESE MRCS, AS APPLICABLE. SEE APPENDIX C, TABLE 1, FOR SPECIAL SECONDARY ADDRESS CODING INSTRUCTIONS.

ALL* (See Note Above and Preceding MRC AKWC)

ACYN J AC VOLTAGE RATING

Definition: THE VALUE, OR RANGE OF VALUES, OF ROOT MEAN SQUARE POTENTIAL FOR WHICH THE ITEM IS RATED.

Reply Instructions: Enter the applicable I/SAC from Appendix C , Table 1, followed by the Mode Code and the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACYN1AJVA110.0; ACYN1BJVB117.0$$JVC122.0*; ACYN1CJVB105.0$$JVC115.0*)*

Table 1

REPLY CODE	REPLY (AB63)
K	KILOVOLTS
M	MEGAVOLTS
U	MICROVOLTS
L	MILLIVOLTS
V	VOLTS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRCs AKWC AND ACYN)

ACZB J FREQUENCY RATING

Defintion: THE NUMBER OF COMPLETE CYCLIC CHANGES, PER UNIT OF TIME, FOR WHICH AN ITEM IS RATED.

APP
Key MRC Mode Code Requirements

Reply Instructions: Enter the applicable I/SAC from Appendix C , Table 1, followed by the Mode Code, and the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACZB1AJEA60.0; ACZB1BJEB50.0$$JEC60.0*)*

Table 1

REPLY CODE	REPLY (AC32)
G	GIGA HERTZ
E	HERTZ
K	KILOHERTZ
M	MEGA HERTZ

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRCs AKWC and ACYN)

FAAZ D PHASE

Definition: THE NUMBER OF ALTERNATING CURRENT PHASES.

Reply Instructions: Enter the applicable I/SAC from Appendix C , Table 1, followed by the Mode Code and the applicable Reply Code from the table below. (e.g., FAAZ1ADB; FAAZ1BDA$DB*)*

REPLY CODE	REPLY (AD02)
A	SINGLE
E	SINGLE/THREE
C	THREE
B	TWO

ALL* (See Note Preceding MRC AKWC and ACYN)

ACYR J DC VOLTAGE RATING

Definition: THE VALUE, OR RANGE OF VALUES, OF DIRECT CURRENT POTENTIAL FOR WHICH THE ITEM IS RATED.

APP
Key MRC Mode Code Requirements

Reply Instructions: Enter the applicable I/SAC from Appendix C , Table 1, followed by the Mode Code and the Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACYR1AJVA110.0; ACYR1AJVB6.0$$JVC12.0*; ACYR1BJVB24.00$$JVC36.0*)*

Table 1

REPLY CODE	REPLY (AB63)
K	KILOVOLTS
M	MEGAVOLTS
U	MICROVOLTS
L	MILLIVOLTS
V	VOLTS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Notes Preceding MRCs AKWC and ACYN)

ALSF D INTERNAL BATTERY ACCOMMODATION

Definition: AN INDICATION OF WHETHER OR NOT A FACILITY(IES) TO ACCOMMODATE A BATTERY(IES) IS INCLUDED.

Reply Instructions: Enter the applicable I/SAC from Appendix C , Table 1, followed by the Mode Code, and the applicable Reply Code from the table below. (e.g., ALSF1ADB; ALSF1BDC*)*

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL*

AFHS A ACCESSORY COMPONENT QUANTITY

Definition: THE NUMBER OF PARTS SUPPLIED WITH THE ITEM WHICH MAY BE REQUIRED FOR APPLICATION.

Reply Instructions: Enter the quantity. (e.g., AFHSA4*; AFHSA2$$A4*)

APP Key	MRC	Mode Code	Requirements
ALL*			
	AKVY	G	ACCESSORY CONTROLLING AGENCY

Definition: THE NAME OF THE GOVERNMENT AGENCY OR COMMERCIAL ORGANIZATION THAT CONTROLS THE MANUFACTURE OF THE ACCESSORY ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., AKVYGSIGNAL CORPS*)

Enter multiple replies in the same sequence as MRC AFHS, separated by a semicolon. (e.g., AKVYGAMPEX CORP; BURROUGHS CORP*)

ALL*			
	AFJH	G	FURNISHED ITEMS

Definition: ITEMS FURNISHED AS ACCESSORIES WHICH ARE NOT SPECIFIED ELSEWHERE.

Reply Instructions: Enter the reply in clear text. (e.g., AFJHGCABLE ASSEMBLY, POWER*)

Enter multiple replies in the same sequence as MRC AFHS, separated by a semicolon. (e.g., AFJHGFILTER ASSEMBLY; RECEIVER SUBASSEMBLY*)

ALL*			
	AKVZ	J	ACCESSORY IDENTIFYING NUMBER

Definition: THE SPECIFIC NUMBER USED TO IDENTIFY THE ACCESSORY.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the identifying number. (e.g., AKVZJAE79614*)

Enter multiple replies in the same sequence as MRC AFHS, using AND coding ($$).

(e.g., AKVZJABSP051-1680A020$$JAD30096B050*)

REPLY CODE	REPLY (AG99)
AL	CATALOG NO.
AB	DRAWING NO.
AC	MODEL NO.
AD	PART NO.
AE	SERIAL NO.
AG	SPECIFICATION NO.
AK	STYLE NO.

APP Key	MRC	Mode Code	Requirements
		AF	TYPE NO.

ALL*

AJJX D COMPONENT DOCUMENT ORIGIN

Definition: THE ORIGINATOR (GOVERNMENTAL, INDUSTRIAL, OR OTHERWISE) OF THE AVAILABLE DOCUMENT WHICH LISTS THE COMPONENT(S) OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AJJXDAF*; AJJXDAD$$DAF*; AJJXDAD$DAF*)

REPLY CODE	REPLY (AF59)
AF	GOVERNMENT
AD	INDUSTRIAL

ALL*

AJJY A DOCUMENT SOURCE

Definition: THE COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE OF THE GOVERNMENT AGENCY, INDUSTRIAL ORGANIZATION, OR OTHER SOURCE, WHICH CONTROLS THE DOCUMENT.

Reply Instructions: Enter the 5-position CAGE Code. (e.g., AJJYA12345*)

Enter optional or multiple replies in the same sequence as MRC AJJX. (e.g., AJJYA80058$$A82260*; AJJYA80058$A82260*)

ALL*

AJJZ D DOCUMENT TYPE

Definition: INDICATES THE TYPE OF DOCUMENT BY THE TITLE.

Reply Instructions: Enter the applicable Reply Code from Appendix A, Table 4. (e.g., AJJZDAB*)

Enter optional or multiple replies in the same sequence as MRC AJJX. (e.g., AJJZDAB$$DAF*; AJJZDAB$DAF*)

ALL*

APP Key	MRC	Mode Code	Requirements
	AJKA	A	DOCUMENT IDENTIFICATION
	Definition: THE NUMBER OR SYMBOL USED TO IDENTIFY THE DOCUMENT.		
	Reply Instructions: Enter the document number.		
	(e.g., AJKAAMIL-F-1234*)		
	Enter optional or multiple replies in the same sequence as MRC AJJX.(e.g., AJKAARC128$$ATC128*; AJKAA0S524$ATM123*)		
ALL*			
	AJKB	A	COMPONENT DOCUMENT PAGE NUMBER
	Definition: THE PAGE NUMBER INDICATING THE LOCATION OF THE COMPONENT(S) LISTED IN THE DOCUMENT.		
	Reply Instructions: Enter the page number. (e.g., AJKBA119*)		
	Enter optional or multiple replies in the same sequence as MRC AJJX.		
	(e.g., AJKBA5$$A6*; AJKBA2-7$A219*)		
ALL*			
	AKWA	G	JOINT ELECTRONICS TYPE DESIGNATION SYSTEM ITEM NAME
	Definition: THE NAME ASSIGNED TO THE ITEM BY THE JOINT ELECTRONICS TYPE DESIGNATION SYSTEM.		
	Reply Instructions: Enter the reply in clear text. (e.g., AKWAGPUBLIC ADDRESS SET*)		
ALL*			
	AKWB	G	JOINT ELECTRONICS TYPE DESIGNATION SYSTEM ITEM TYPE NUMBER
	Definition: THE TYPE NUMBER ASSIGNED TO THE ITEM BY THE JOINT ELECTRONICS TYPE DESIGNATION SYSTEM.		
	Reply Instructions: Enter the reply in clear text.		
	(e.g., AKWBGAN/TIPIA*;		

APP Key	MRC	Mode Code	Requirements
	AKWBGAN/TRC-7 OR AN/TRC-7A*)		

SECTION: STANDARD

APP Key	MRC	Mode Code	Requirements

NOTE FOR MRC RADC: REPLY TO MRC RADC IF THE ITEM CONTAINS RADIOACTIVE MATERIAL. IF MRC RADC IS ANSWERED, A REPLY TO MRC RADD IN SECTION III IS MANDATORY.

ALL* (See Note Above)

RADC D RADIOACTIVE CONTENT

Definition: AN INDICATION OF WHETHER OR NOT THE ITEM CONTAINS RADIOACTIVE MATERIALS.

Reply Instructions: Enter the Reply Code from the table below. (e.g., RADCDP*)

REPLY CODE	REPLY (AN54)
P	CONTAINS RADIOACTIVE MATERIAL

ALL*

FEAT G SPECIAL FEATURES

Definition: THOSE UNUSUAL OR UNIQUE CHARACTERISTICS OR QUALITIES OF AN ITEM NOT COVERED IN THE OTHER REQUIREMENTS AND WHICH ARE DETERMINED TO BE ESSENTIAL FOR IDENTIFICATION.

Reply Instructions: Enter the reply in clear text. Separate multiple replies with a semicolon. (e.g., FEATGADJUSTABLE NOSE CLIP*; FEATGADJUSTABLE NOSE PIECE; DISPOSABLE*)

ALL*

TEST J TEST DATA DOCUMENT

Definition: THE SPECIFICATION, STANDARD, DRAWING, OR SIMILAR INSTRUMENT THAT SPECIFIES ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS OR TEST CONDITIONS UNDER WHICH AN ITEM IS TESTED AND ESTABLISHES ACCEPTABLE LIMITS WITHIN WHICH THE ITEM MUST CONFORM IDENTIFIED BY AN ALPHABETIC AND/OR NUMERIC REFERENCE NUMBER. INCLUDES THE COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE OF THE ENTITY CONTROLLING THE INSTRUMENT.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the 5-position CAGE Code, a dash, and the document identification number.

(e.g., TESTJA12345-CWX654321*;

TESTJA1234A-654321$$JB5556A-663654*;

TESTJAA2345-654321$JB55566-663654*)

REPLY CODE	REPLY (AC28)
A	SPECIFICATION (Includes engineering type bulletins, brochures, etc., that reflect specification type data in specification format; excludes commercial catalogs, industry directories, and similar trade publications, reflecting general type data on certain environmental and performance requirements and test conditions that are shown as "typical," "average," "nominal," etc.)
B	STANDARD (Includes industry or association standards, individual manufacturer standards, etc.)
C	DRAWING (This is the basic governing drawing, such as a contractor drawing, original equipment manufacturer drawing, etc.; excludes any specification, standard, or other document that may be referenced in a basic governing drawing)

ALL*

SPCL G SPECIAL TEST FEATURES

Definition: TEST CONDITIONS AND RATINGS, OR ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS THAT ARE DIFFERENT, MORE CRITICAL, OR MORE SPECIFIC THAN THOSE SPECIFIED IN A GOVERNING TEST DATA DOCUMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SPCLGSELECTED AND TESTED FOR NAVIGATIONAL SYSTEMS*)

ALL*

ZZZK J SPECIFICATION/STANDARD DATA

Definition: THE DOCUMENT DESIGNATOR OF THE SPECIFICATION OR STANDARD WHICH ESTABLISHED THE ITEM OF SUPPLY.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the Commercial and Government Entity (CAGE) Code of the entity controlling the document, a dash, and the document designator. The agency that controls the limited coordination document must be preceded and followed by a slash following the designator. The word canceled or superseded must be preceded and followed by a slash for the designator. Professional and industrial association specifications/standards are differentiated from a manufacturer's specification in that the data has been coordinated and published by the professional and industrial association. Include amendments and revisions where applicable.

(e.g., ZZZKJT81337-30642B*;

ZZZKJS81349-MIL-D-180 REV1/CANCELED/*;

ZZZKJP80205-NAS1103*;

ZZZKJS81349-MIL-C-1140C/CE/*;

ZZZKJT81337-30642B$$JP80205-NAS1103*)

REPLY CODE	REPLY (AN62)
S	GOVERNMENT SPECIFICATION
T	GOVERNMENT STANDARD
D	MANUFACTURERS SOURCE CONTROL
R	MANUFACTURERS SPECIFICATION
N	MANUFACTURERS SPECIFICATION CONTROL
M	MANUFACTURERS STANDARD
B	NATIONAL STD/SPEC
A	PROFESSIONAL/INDUSTRIAL ASSOCIATION SPECIFICATION
P	PROFESSIONAL/INDUSTRIAL ASSOCIATION STANDARD

NOTE FOR MRC ZZZT: IF THE SPECIFICIATION/STANDARD CITED IN REPLY TO MRC ZZZK IS NONDEFINITIVE, REPLY TO MRC ZZZT. THIS REPLY IS THE DATA WHICH IS NOT RECORDED IN SEGMENT C.

ALL* (See Note Above)

ZZZT	J	NONDEFINITIVE SPEC/STD DATA

APP Key	MRC	Mode Code	Requirements

Definition: THE NUMBER, LETTER, OR SYMBOL THAT INDICATES THE TYPE, STYLE, GRADE, CLASS, AND THE LIKE, OF AN ITEM IN A NONIDENTIFYING SPECIFICATION OR STANDARD.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1, followed by the appropriate number, letter, or symbol. (e.g., ZZZTJTY1*; ZZZTJTY1$$JSTA*; ZZZTJTY1$JSTA*)

ALL*

ZZZW G DEPARTURE FROM CITED DOCUMENT

Definition: THE TECHNICAL DIFFERENTIATING CHARACTERISTIC(S) OF AN ITEM OF SUPPLY WHICH DEPART(S) FROM THE TEXT OF A SPECIFICATION OR A STANDARD IN THAT IT REPRESENTS A SELECTION OF CHARACTERISTICS STATED IN THE SPECIFICATION OR STANDARD AS BEING OPTIONAL, OR A VARIATION FROM ONE OR MORE OF THE STATED CHARACTERISTICS, OR AN ADDITIONAL CHARACTERISTIC NOT STATED IN THE SPECIFICATION OR STANDARD.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZWGAS MODIFIED BY MATERIAL*)

ALL*

ZZZX G DEPARTURE FROM CITED DESIGNATOR

Definition: THE VARIATION WHEN THE ITEM IS IN CONFORMITY WITH A TYPE DESIGNATOR COVERED BY A SPECIFICATION OR STANDARD, EXCEPT IN REGARD TO ONE OR MORE TECHNICAL DIFFERENTIATING CHARACTERISTICS.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZXGAS MODIFIED BY MATERIAL*)

ALL*

ZZZY G REFERENCE NUMBER DIFFERENTIATING CHARACTERISTICS

Definition: A FEATURE OF THE ITEM OF SUPPLY WHICH MUST BE SPECIFICALLY RECORDED WHEN THE REFERENCE NUMBER COVERS A RANGE OF ITEMS.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the reply in clear text. (e.g., ZZZYGCOLOR CODED LEADS*; ZZZYGAS DIFFERENTIATED BY MATERIAL*)

ALL*

CRTL A CRITICALITY CODE JUSTIFICATION

Definition: THE MASTER REQUIREMENT CODES OF THOSE REQUIREMENTS WHICH ARE TECHNICALLY CRITICAL BY REASON OF TOLERANCE, FIT, PERFORMANCE, OR OTHER CHARACTERISTICS WHICH AFFECT IDENTIFICATION OF THE ITEM.

Reply Instructions: Enter the Master Requirement Code for the requirement, the reply to which renders the item as being critical. (e.g., CRTLAMATL*; CRTLAMATL$$ASURF*)

Reply to this requirement only if the header record for the item identification for the item being identified has been coded as critical.

NOTE FOR MRC PRPY: IF DOCUMENT AVAILABILITY CODE B, D, F, OR H, REPLY TO MRC PRPY.

ALL* (See Note Above)

PRPY A PROPRIETARY CHARACTERISTICS

Definition: IDENTIFICATION OF THOSE CHARACTERISTICS INCLUDED IN THE DESCRIPTION FOR WHICH A NON-GOVERNMENT ACTIVITY HAS IDENTIFIED ALL OR SELECTED CHARACTERISTICS OF THE ITEM AS BEING PROPRIETARY AND THEREFORE RESTRICTED FROM RELEASE OUTSIDE THE GOVERNMENT WITHOUT PRIOR PERMISSION OF THE ORIGINATOR OF THE DATA.

Reply Instructions: Enter the MRC codes of the individual characteristics of the description which are marked proprietary on the technical data, using AND coding ($$) for multiple characteristics. If all the MRCs are proprietary, enter the reply PACS. If none of the MRCs is proprietary, enter the reply NPAC. (e.g., PRPYAPACS*; PRPYANPAC*; PRPYAMATL$$ASURF*)

NOTE FOR MRC ENAC: ANSWERING THIS MRC WILL GENERATE AN ENAC CODE IN THE ITEM IDENTIFICATION SEGMENT (A) OF THE NSN.

ALL* (See Note Above)

ENAC D ENVIRONMENTAL ATTRIBUTE CODE

APP Key	MRC	Mode Code	Requirements

Definition: INDICATES THE TYPE OF PRODUCT THAT MEETS OR EXCEEDS THE GOVERNMENT GUIDELINES FOR ENVIRONMENTALLY PREFERRED CHARACTERISTICS.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ENACDHX*;ENACDFX$$DHX*)

REPLY CODE	REPLY (EN02)
AB	BRONZE – EPEAT REGISTERED PRODUCTS
KK	ENERGY EFFICIENT – ENERGY STAR – HOME ELECTRONICS - TELEVISIONS
LG	ENERGY EFFICIENT – ENERGY STAR – OFFICE EQUIPMENT - MONITORS
HX	ENERGY EFFICIENT – FEMP - LOW STANDBY POWER – AUDIO/VIDEO PRODUCTS - TV
HT	ENERGY EFFICIENT – FEMP - LOW STANDBY POWER – COMPUTER MONITORS
FX	ENERGY EFFICIENT - FEMP - OFFICE EQUIPMENT - MONITORS
AG	GOLD – EPEAT REGISTERED PRODUCTS
NR	REVIEWED – DOES NOT MEET SOME ENAC CRITERIA
AF	SILVER – EPEAT REGISTERED PRODUCTS

NOTE FOR MRC STBY: IF REPLY CODE HX WAS ENTERED FOR MRC ENAC, REPLY TO MRC STBY.

ALL* (See Note Above)

STBY J STANDBY POWER RATING

Definition: THE STANDBY POWER RATING AT WHICH THE ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., STBYJM200.0*)

REPLY CODE	REPLY (AC33)
M	MILLIWATTS
W	WATTS

ALL*

APP Key	MRC	Mode Code	Requirements
	ELRN	G	EXTRA LONG REFERENCE NUMBER

Definition: A REFERENCE NUMBER EXCEEDING 32 POSITIONS.

Reply Instructions: Enter the entire reference number. Do not include the 5-position Commercial and Government Entity (CAGE) Code unless there is more than one extra long reference number on the NSN, (e.g., ELRNGANN112036BIL060557LEN313605UZ62365*).

If there is more than one extra long reference number on the NSN, include the CAGE or NCAGE and separate each reference by using the "&" character, (e.g., 28480 ANN112036BIL060557LEN313605UZ62365 & S1234 NN112036BIL060557LEN313605UZ62365).

In determining quantity of characters in the reference number, count will be made after modification in accordance with Volume 2, Chapter 9, FLIS Procedures Manual, DoD 4100.39-M.

NOTE FOR MRC NHCF: IF THE CRITICALITY CODE IS E, H, OR M, REPLY TO MRC NHCF.

ALL* (See Note Above)

	NHCF	D	NUCLEAR HARDNESS CRITICAL FEATURE

Definition: AN INDICATION OF THE NUCLEAR HARDNESS CRITICALITY OF THE ITEM.

Reply Instructions: Enter the Reply Code from the table below. (e.g., NHCFDCY*)

REPLY CODE	REPLY (AD05)
CY	HARDENED

ALL*

	ELCD	D	EXTRA LONG CHARACTERISTIC DESCRIPTION

Definition: A DESCRIPTION THAT EXCEEDS 5000 CHARACTERS.

Reply Instructions: Enter the Reply Code from the table below. (e.g., ELCDDA*)

REPLY CODE	REPLY (AN58)
A	ADDITIONAL DESCRIPTIVE DATA ON MANUAL

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
			RECORD

SECTION: SUPPTECH

APP Key	MRC	Mode Code	Requirements
ALL			
	AFJK	J	CUBIC MEASURE

Definition: A MEASUREMENT OF VOLUME TAKEN BY MULTIPLYING THE LENGTH BY THE WIDTH BY THE HEIGHT OF AN ITEM AND RENDERED IN CUBIC UNITS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AFJKJB8.000*; AFJKJC131.1*)

REPLY CODE	REPLY (AD42)
C	CUBIC CENTIMETERS
B	CUBIC INCHES

ALL			
	AGAV	G	END ITEM IDENTIFICATION

Definition: THE NATIONAL STOCK NUMBER OR THE IDENTIFICATION INFORMATION OF THE END EQUIPMENT FOR WHICH THE ITEM IS A PART.

Reply Instructions: Enter the reply in clear text.

(e.g., AGAVG3930-00-000-0000*;

AGAVGFORKLIFT TRUCK, SMITH CORPORATION, MODEL 12, TYPE A *)

ALL			
	AMQY	D	INSTALLATION DESIGN

Definition: THE INSTALLATION FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AMQYDAF*)

REPLY CODE	REPLY (AJ17)
AH	AIRBORNE
A	ANY ACCEPTABLE
AK	MOBILE
AF	PORTABLE
AL	SEABORNE
AM	TRANSPORTABLE

APP Key	MRC	Mode Code	Requirements

NOTE FOR MRC RADD: IF A REPLY IS ENTERED FOR MRC RADC IN SECTION I, A REPLY MUST BE ENTERED FOR MRC RADD.

ALL (See Note Above)

RADD J RADIONUCLIDES DATA

Definition: THE NAME AND AMOUNT OF THE RADIONUCLIDE.

Reply Instructions: Enter the applicable Reply Codes from the table below, and Appendix A, Table 3, followed by the numeric value. Where radioactivity varies from one sample to another, enter the maximum value. (e.g., RADDJJFAAAD10.000*)

REPLY CODE	REPLY (AG67)
JF	CURIES
JH	MICROCURIES
JG	MILLICURIES

ALL

PRMT D PRECIOUS MATERIAL

Definition: IDENTIFICATION OF THE PRECIOUS MATERIAL CONTAINED IN THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., PRMTDAGA000*; PRMTDAUA000$$DAGA000*; PRMTDAGA000$DAUA000*)

REPLY CODE	REPLY (MA01)
AUA000	GOLD
IRA000	IRIDIUM
AZA000	OSMIUM
PDA000	PALLADIUM
PTA000	PLATINUM
RHA000	RHODIUM
RTA000	RUTHENIUM
AGA000	SILVER

ALL

PMWT J PRECIOUS MATERIAL AND WEIGHT

APP Key	MRC	Mode Code	Requirements

Definition: AN INDICATION OF THE PRECIOUS MATERIAL CONTAINED IN THE ITEM, AND THE AMOUNT PER A MEASUREMENT SCALE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. Enter multiple replies in Table 1 sequence. (e.g., PMWTJPTA000R0.780*; PMWTJAUA000F0.500$$JAGA000R0.780*)

Table 1

REPLY CODE	REPLY (MA01)
AUA000	GOLD
IRA000	IRIDIUM
AZA000	OSMIUM
PDA000	PALLADIUM
PTA000	PLATINUM
RHA000	RHODIUM
RTA000	RUTHENIUM
AGA000	SILVER

Table 2

REPLY CODE	REPLY (AG14)
E	GRAINS, TROY
R	GRAMS
F	OUNCES, TROY

ALL

PMLC J PRECIOUS MATERIAL AND LOCATION

Definition: AN INDICATION OF THE PRECIOUS MATERIAL AND ITS LOCATION IN THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the location in clear text. (e.g., PMLCJAUA000TERMINALS*; PMLCJAUA000TERMINALS$$JAGA000INTERNAL SURFACES*; PMLCJAGA000TERMINALS$JAUA000INTERNAL SURFACES*)

REPLY CODE	REPLY (MA01)
AUA000	GOLD
IRA000	IRIDIUM
AZA000	OSMIUM
PDA000	PALLADIUM
PTA000	PLATINUM
RHA000	RHODIUM
RTA000	RUTHENIUM
AGA000	SILVER

APP Key	MRC	Mode Code	Requirements
ALL			
	SUPP	G	SUPPLEMENTARY FEATURES
			Definition: CHARACTERISTICS OR QUALITIES OF AN ITEM, NOT COVERED IN ANY OTHER REQUIREMENT, WHICH ARE CONSIDERED ESSENTIAL INFORMATION FOR ONE OR MORE FUNCTIONS EXCLUDING NSN ASSIGNMENT.
			Reply Instructions: Enter the reply in clear text. (e.g., SUPPGMAY INCL HOLE IN UPPER SUPPORT FOR MTG DURING SHIPMENT*)
ALL			
	FCLS	A	FUNCTIONAL CLASSIFICATION
			Definition: THE ALPHA-NUMERIC DESIGNATION THAT IDENTIFIES THE CLASSIFICATION OF THE ITEM ACCORDING TO THE CATEGORY OF FUNCTIONS PERFORMED.
			Reply Instructions: Enter the reply from the applicable document.
			(e.g., FCLSAHH-1.5*)
ALL			
	FTLD	G	FUNCTIONAL DESCRIPTION
			Definition: DESCRIBES THE CAPABILITIES, INTENDED USE, AND/OR PURPOSE FOR WHICH THE ITEM IS PROVIDED.
			Reply Instructions: Enter description of function as concisely as possible. (e.g., FTLDGUSED TO INSTALL/REMOVE ENGINE NACELLE*)
ALL			
	TMDN	A	TYPE/MODEL DESIGNATION
			Definition: THE ALPHA-NUMERIC-ALPHA DESIGNATION USED TO IDENTIFY THE TYPE AND/OR MODEL OF THE BASIC ITEM.
			Reply Instructions: Enter the appropriate designation data.
			(e.g., TMDNAMSV-615/M*)

APP Key	MRC	Mode Code	Requirements
ALL			
	RTSE	G	RELATIONSHIP TO SIMILAR EQUIPMENT
	Definition: INDICATES THE RELATIONSHIP, SUCH AS CONSTRUCTION, CAPABILITIES, AND THE LIKE, OF THE ITEM TO A SIMILAR ITEM.		
	Reply Instructions: Enter concise statement for similar item including name and identifying data.		
	(e.g., RTSEGSIMILAR TO LOCKHEED OVERWING ENGINE HOIST P/N 61521-58*)		
ALL			
	RDAL	G	REFERENCE DATA AND LITERATURE
	Definition: LITERATURE AND REFERENCES AVAILABLE FOR INFORMATION PERTAINING TO THE ITEM.		
	Reply Instructions: Enter data appropriate and in a concise manner to identify informational references covering the item.		
	(e.g., RDALGNAAVAIROIA/VFK58 A-2.2.9*)		
ALL			
	NTRD	A	ENTRY DATE
	Definition: INDICATES THE DATE THE ITEM WAS ENTERED INTO MIL-HDBK-300.		
	Reply Instructions: Enter the date structured in three hyphenated 2 position segments to indicate the last 2 digits of the calendar year, month, and day.		
	(e.g., NTRDA80-05-28*)		
ALL			
	ZZZP	J	PURCHASE DESCRIPTION IDENTIFICATION
	Definition: THE CONTROLLING ACTIVITY AND IDENTIFICATION OF A DOCUMENT USED IN LIEU OF A SPECIFICATION IN THE PROCUREMENT OF AN ITEM OF SUPPLY.		

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the 5-position Commercial and Government Entity (CAGE) Code, followed by a dash and the identifying number of the document.

(e.g., ZZZPJ81A37-30624A*)

ALL

ZZZV G FSC APPLICATION DATA

Definition: THE JUSTIFICATION FOR THE ASSIGNMENT OF A FEDERAL SUPPLY CLASS (FSC) TO AN ITEM BASED ON THE CLASSIFICATION OF THE NEXT HIGHER CLASSIFICABLE ASSEMBLY.

Reply Instructions: Enter the name of the next higher classifiable assembly in clear text. (e.g., ZZZVGFUEL SYSTEM, GASOLINE ENGINE, NONAIRCRAFT*)

ALL *

CXCY G PART NAME ASSIGNED BY CONTROLLING AGENCY

Definition: THE NAME ASSIGNED TO THE ITEM BY THE GOVERNMENT AGENCY OR COMMERCIAL ORGANIZATION CONTROLLING THE DESIGN OF THE ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., CXCYGLINE PROCESSOR CONTROL BOARD*)

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Reply Tables

Table 1 - NONDEFINITIVE SPEC/STD DATA
NONDEFINITIVE SPEC/STD DATA

REPLY CODE	REPLY (AD08)
AL	ALLOY
AN	ANNEX
AP	APPENDIX
AC	APPLICABILITY CLASS
AR	ARRANGEMENT
AS	ASSEMBLY
AB	ASSORTMENT
BX	BOX
CY	CAPACITY
CA	CASE
CT	CATEGORY
CL	CLASS
CE	CODE
CR	COLOR
CC	COMBINATION CODE
CN	COMPONENT
CP	COMPOSITION
CM	COMPOUND
CD	CONDITION
CS	CONSTRUCTION
DE	DESIGN
DG	DESIGNATOR
DW	DRAWING NUMBER
EG	EDGE
EN	END
FY	FAMILY
FG	FIGURE
FN	FINISH
FM	FORM
FA	FORMULA
GR	GRADE
GP	GROUP
BA	IMAGE COLOR
NS	INSERT
TM	ITEM
KD	KIND
KT	KIT
LG	LENGTH
LT	LIMIT
MK	MARK
AA	MARKER
ML	MATERIAL
BB	MAXIMUM DENSITY

REPLY CODE	REPLY (AD08)
MH	MESH
ME	METHOD
BC	MINIMUM DENSITY
MD	MODEL
MT	MOUNTING
NR	NUMBER
PT	PART
PN	PATTERN
PC	PHYSICAL CONDITION
PS	PIECE
PL	PLAN
PR	POINT
QA	QUALITY
RN	RANGE
RT	RATING
RF	REFERENCE NUMBER
SC	SCHEDULE
SB	SECTION
SL	SELECTION
SE	SERIES
SV	SERVICE
SX	SET
SA	SHADE
SH	SHAPE
SG	SHEET
SZ	SIZE
PZ	SPECIES
SQ	SPECIFICATION SHEET
SD	SPEED
ST	STYLE
SS	SUBCLASS
SF	SUBFORM
SP	SUBTYPE
SN	SURFACE CONDITION
SY	SYMBOL
SM	SYSTEM
TB	TABLE
TN	TANNAGE
TP	TEMPER
TX	TEXTURE
TK	THICKNESS
TT	TREATMENT
TR	TRIM
TY	TYPE
YN	UNIT
VA	VARIETY
WT	WEIGHT
WD	WIDTH

Table 2 - EMMISSION TYPES

EMMISSION TYPES

REPLY CODE	REPLY (AJ76)	EMMISSION TYPES
ABH	AO	WITH NO MODULATION
AAT	A1	TELEGRAPHY WITHOUT THE USE OF A MODULATING AUDIO FREQUENCY BY ON-OFF KEYING
AAM	A2	TELEGRAPHY BY THE ON-OFF KEYING OF AN AMPLITUDE MODULATING AUDIO FREQUENCY OR AUDIO FREQUENCIES OR BY THE ON-OFF KEYING OF THE MODULATED EMISSION
ADX	A2J	AMPLITUDE, TELEGRAPHY BY THE ON-OFF KEYING OF A MODULATING AUDIO FREQUENCY OR AUDIO FREQUENCIES, OR BY THE ON-OFF KEYING OF THE MODULATED EMISSION SINGLE SIDEBAND, SUPPRESSED CARRIER
AAZ	A3	TELEPHONY, DOUBLE SIDEBAND
ABB	A3A	TELEPHONY, SINGLE SIDEBAND(S), REDUCED CARRIER
ABD	A3B	TELEPHONY, TWO INDEPENDENT SIDEBANDS
ABW	A3H	AMPLITUDE, TELEPHONY, SINGLE SIDEBAND, FULL CARRIER
ABC	A3J	TELEPHONY, SINGLE SIDEBAND(S), SUPPRESSED CARRIER
AAH	A4	FACSIMILE WITH MODULATION OF MAIN CARRIER EITHER DIRECTLY OR BY A FREQUENCY MODULATED SUBCARRIER
AAG	A4A	FACSIMILE SINGLE SIDEBAND, REDUCED CARRIER
ABG	A5C	TELEVISION VESTIGIAL SIDEBAND
AAK	A7A	MULTICHANNEL VOICE FREQUENCY TELEGRAPHY, SINGLE SIDEBAND, REDUCED CARRIER
ABK	A9	AMPLITUDE MODULATED MAIN CARRIER
AAC	A9B	TELEPHONY AND TELEGRAPHY COMBINATION, TWO INDEPENDENT SIDEBANDS
ABL	F0	FREQUENCY WITHOUT MODULATION
AAL	F1	TELEGRAPHY BY FREQUENCY SHIFT KEYING WITHOUT THE USE OF A MODULATING AUDIO FREQUENCY. ONE OF TWO FREQUENCIES BEING EMITTED AT ANY INSTANT
AAN	F2	TELEGRAPHY BY THE ON-OFF KEYING OF A FREQUENCY MODULATING AUDIO FREQUENCY OR BY THE ON-OFF KEYING OF A FREQUENCY MODULATED EMISSION
AAW	F3	TELEPHONY
ABQ	F3D	TELEPHONY, AMPLITUDE MODULATED PULSES
AAF	F4	FACSIMILE BY DIRECT FREQUENCY MODULATION OF THE CARRIER
ABF	F5	TELEVISION
AAJ	F6	FOUR FREQUENCY DIPLEX TELEGRAPHY
AAD	F9	FREQUENCY MODULATED MAIN CARRIER
AAB	P0	PULSED CARRIER W/O MODULATION
AAS	P1D	TELEGRAPHY BY THE ON-OFF KEYING OF A PULSED CARRIER WITHOUT THE USE OF A MODULATING AUDIO FREQUENCY
AAP	P2D	TELEGRAPHY BY THE ON-OFF KEYING OF A MODULATING AUDIO FREQUENCY OR AUDIO FREQUENCIES, OR BY THE ON-OFF KEYING

REPLY CODE	REPLY (AJ76)	EMMISSION TYPES
AAR	P2E	OF A MODULATED PULSES CARRIER AUDIO FREQUENCY OR FREQUENCIES MODULATING THE AMPLITUDE OF THE PULSE TELEGRAPHY BY THE ON-OFF KEYING OF A MODULATING AUDIO FREQUENCY OR AUDIO FREQUENCIES, OR BY THE ON-OFF KEYING OF A MODULATED PULSES CARRIER AUDIO FREQUENCY OR AUDIO FREQUENCIES MODULATING THE WIDTH OR DURATION OF THE PULSES.
AAQ	P2F	TELEGRAPHY BY THE ON-OFF KEYING OF A MODULATING AUDIO FREQUENCY OR AUDIO FREQUENCIES, OR BY THE ON-OFF KEYING OF A MODULATED PULSE CARRIER AUDIO FREQUENCY OR FREQUENCIES MODULATING THE PHASE OR POSITION OF THE PULSES
ABP	P3	PULSE, TELEPHONY
ABE	P3E	TELEPHONY, WIDTH OR DURATION MODULATED PULSES
ABA	P3F	TELEPHONY, PHASE OR POSITION MODULATED PULSES
AAY	P3G	TELEPHONY, CODE MODULATED PULSES AFTER SAMPLING QUANTIZATION
AAE	P9	PULSE MODULATED MAIN CARRIER

Table 3 - RADIONUCLIDES DATA

RADIONUCLIDES DATA

REPLY CODE	REPLY (AN55)	RADIONUCLIDES DATA
AAAB	ACTINIUM (89)	AC-227
AAAC	ACTINIUM (89)	AC-228
AAAD	AMERICIUM (95)	AM-241
AAAE	AMERICIUM (95)	AM-243
AAAF	ANTIMONY (51)	SB-122
AAAG	ANTIMONY (51)	SB-124
AAAH	ANTIMONY (51)	SB-125
AAAJ	ARGON (18)	AR-37
AAAK	ARGON (18)	AR-41
AAAL	ARGON (18)	AR-41, UNCOMPRESSED
AAAM	ARSENIC (33)	AS-73
AAAN	ARSENIC (33)	AS-74
AAAP	ARSENIC (33)	AS-76
AAAQ	ARSENIC (33)	AS-77
AAAR	ASTATINE (85)	AT-211
AAAS	BARIUM (56)	BA-131
AAAT	BARIUM (56)	BA-133
AAAW	BARIUM (56)	BA-140
AAAX	BERKELIUM (97)	BK-249
AAAY	BERYLLIUM (4)	BE-7
AAAZ	BISMUTH (83)	BI-206
AABA	BISMUTH (83)	BI-207

REPLY CODE	REPLY (AN55)	RADIONUCLIDES DATA
AABB	BISMUTH (83)	BI-210
AABC	BUSMUTH (83)	BI-212
AABD	BROMINE (35)	BR-82
AABE	CADMIUM (48)	CD-109
AABF	CADMIUM (48)	CD-115M
AABG	CADMIUM (48)	CD-115
AABH	CALCIUM (20)	CA-45
AABJ	CALCIUM (20)	CA-47
AABK	CALIFORMIUM (98)	CF-249
AABL	CALIFORMIUM (98)	CF-250
AABM	CALIFORMIUM (98)	CF-252
AABN	CARBON (6)	C-14
AABP	CERIUM (58)	CE-141
AABQ	CERIUM (58)	CE-143
AABR	CERIUM (58)	CE-144
AABS	CESIUM (55)	CS-131
AABT	CESIUM (55)	CS-134M
AABW	CESIUM (55)	CS-134
AABX	CESIUM (55)	CS-135
AABY	CESIUM (55)	CS-136
AABZ	CESIUM (55)	CS-137
AACA	CHLORINE (17)	CL-36
AACB	CHLORINE (17)	CL-38
AACC	CHROMIUM (24)	CR-51
AACD	COBALT (27)	CO-56
AACE	COBALT (27)	CO-57
AACF	COBALT (27)	CO-58M
AACG	COBALT (27)	CO-58
AACH	COBALT (57)	CO-60
AACJ	COPPER (29)	CU-64
AACK	CURIUM (96)	CM-242
AACL	CURIUM (96)	CM-243
AACM	CURIUM (96)	CM-244
AACN	CURIUM (96)	CM-245
AACP	CURIUM (96)	CM-246
AACQ	DYSPROSIUM (66)	DY-154
AACR	DYSPROSIUM (66)	DY-165
AACS	DYSPROSIUM (66)	DY-166
AACT	ERBIUM (68)	ER-169
AACW	ERBIUM (68)	ER-171
AACX	EUROPIUM (63)	EU-150
AACY	EUROPIUM (63)	EU-152M
AACZ	EUROPIUM (63)	EU-152
AADA	EUROPIUM (63)	EU-154
AADB	EUROPIUM (63)	EU-155
AADC	FLUORINE (9)	F-18
AADD	GADOLINIUM (64)	GD-153

REPLY CODE	REPLY (AN55)	RADIONUCLIDES DATA
AADE	GADOLINIUM (64)	GD-159
AADF	GALLIUM (31)	GA-67
AADG	GALLIUM (31)	GA-72
AADH	GERMANIUM (32)	GE-71
AADJ	GOLD (79)	AU-193
AADK	GOLD (79)	AU-194
AADL	GOLD (79)	AU-195
AADM	GOLD (79)	AU-196
AADN	GOLD (79)	AU-198
AADP	GOLD (79)	AU-199
AADQ	HAFNIUM (72)	HF-181
AADR	HOLMIUM (67)	HO-166
	HYDROGEN (1)	H-3 (see TRITIUM)
AADS	INDIUM (49)	IN-113M
AADT	INDIUM (49)	IN-114M
AADW	INDIUM (49)	IN-115M
AADX	INDIUM (49)	IN-115
AADY	IODINE (53)	I-124
AADZ	IODINE (53)	I-125
AAEA	IODINE (53)	I-126
AAEB	IODINE (53)	I-129
AAEC	IODINE (53)	I-131
AAED	IODINE (53)	I-132
AAEE	IODINE (53)	I-133
AAEF	IODINE (53)	I-134
AAEG	IODINE (53)	I-135
AAEH	IRIDIUM (77)	IR-190
AAEJ	IRIDIUM (77)	IR-192
AAEK	IRIDIUM (77)	IR-194
AAEL	IRON (26)	FE-55
AAEM	IRON (26)	FE-59
AAEN	KRYPTON (36)	KR-85M
AAEP	KRYPTON (36)	KR-85M, UNCOMPRESSED
AAEQ	KRYPTON (36)	KR-85
AAER	KRYPTON (36)	KR-85, UNCOMPRESSED
AAES	KRYPTON (36)	KR-87
AAET	KRYPTON (36)	KR-87, UNCOMPRESSED
AAEW	LANTHANUM (57)	LA-140
AAEX	LEAD (82)	PB-203
AAEY	LEAD (82)	PB-210
AAEZ	LEAD (82)	PB-212
AAFA	LUTECIUM (71)	LU-172
AAFB	LUTECIUM (71)	LU-177
AAFC	MAGNESIUM (12)	MG-28
AAFD	MANGANESE (25)	MN-52
AAFE	MANGANESE (25)	MN-54
AAFF	MANGANESE (25)	MN-56

REPLY CODE	REPLY (AN55)	RADIONUCLIDES DATA
AAFG	MERCURY (80)	HG-197M
AAFH	MERCURY (80)	HG-197
AAFJ	MERCURY (80)	HG-203
AAFK	MIXED FISSION PRODUCTS	MF-P
AAFL	MOLYBDENUM (42)	MO-99
AAFM	NEODYMIUM (60)	ND-147
AAFN	NEODYMIUM (60)	ND-149
AAFP	NEPTUNIUM (93)	NP-237
AAFQ	NEPTUNIUM (93)	NP-239
AAFR	NICKEL (28)	NI-56
AAFS	NICKEL (28)	NI-59
AAFT	NICKEL (28)	NI-63
AAFW	NICKEL (28)	NI-65
AAFX	NIOBIUM (41)	NB-93M
AAFY	NIOBIUM (41	NB-95
AAFZ	NIOBIUM (41)	NB-97
AAGA	OSMIUM (76)	OS-185
AAGB	OSMIUM (76)	OS-191M
AAGC	OSMIUM (76)	OS-191
AAGD	OSMIUM (76)	OS-193
AAGE	PALLADIUM (46)	PD-103
AAGF	PALLADIUM (46)	PD-109
AAGG	PHOSPHOROUS (15)	P-32
AAGH	PLATINUM (78)	PT-191
AAGJ	PLATINUM (78)	PT-193
AAGK	PLATINUM (78)	PT-193M
AAGL	PLATINUM (78)	PT-197M
AAGM	PLATINUM (78)	PT-197
AAGN	PLUTONIUM (94)	PU-238
AAGP	PLUTONIUM (94)	PU-239
AAGQ	PLUTONIUM (94)	PU-240
AAGR	PLUTONIUM (94)	PU-241
AAGS	PLUTONIUM (94)	PU-242
AAGT	POLONIUM (84)	PO-210
AAGW	POTASSIUM (19)	K-42
AAGX	POTASSIUM (19)	K-43
AAGY	PRASEODYMIUM (59)	PR-142
AAGZ	PRASEODYMIUM (59)	PR-143
AAHA	PROMETHIUM (61)	PM-147
AAHB	PROMETHIUM (61)	PM-149
AAHC	PROTACTINIUM (91)	PA-230
AAHD	PROTACTINIUM (91)	PA-231
AAHE	PROTACTINIUM (91)	PA-233
AAHF	RADIUM (88)	RA-223
AAHG	RADIUM (88)	RA-224
AAHH	RADIUM (88)	RA-226

REPLY CODE	REPLY (AN55)	RADIONUCLIDES DATA
AAHJ	RADIUM (88)	RA-228
AAHK	RADON (86)	RN-220
AAHL	RADON (86)	RN-222
AAHM	RHENIUM (75)	RE-183
AAHN	RHENIUM (75)	RE-186
AAHP	RHENIUM (75)	RE-187
AAHQ	RHENIUM (75)	RE-188
AAHR	RHENIUM (75)	RE-NATURAL
AAHS	RHODIUM (45)	RH-103M
AAHT	RHODIUM (45)	RH-105
AAHW	RUBIDIUM (37)	RB-86
AAHX	RUBIDIUM (37)	RB-87
AAHY	RUBIDIUM (37)	RB-NATURAL
AAHZ	RUTHENIUM (44)	RU-97
AAJA	RUTHENIUM (44)	RU-103
AAJB	RUTHENIUM (44)	RU-105
AAJC	RUTHENIUM (44)	RU-106
AAJD	SAMARIUM (62)	SM-145
AAJE	SAMARIUM (62)	SM-147
AAJF	SAMARIUM (62)	SM-151
AAJG	SAMARIUM (62)	SM-153
AAJH	SCANDIUM (21)	SC-46
AAJJ	SCANDIUM (21)	SC-47
AAJK	SCANDIUM (21)	SC-48
AAJL	SELENIUM (34)	SE-75
AAJM	SILICON (14)	SI-31
AAJN	SILVER (47)	AG-105
AAJP	SILVER (47)	AG-110M
AAJQ	SILVER (47)	AG-111
AAJR	SODIUM (11)	NA-22
AAJS	SODIUM (11)	NA-24
AAJT	STRONTIUM (38)	SR-85M
AAJW	STRONTIUM (38)	SR-85
AAJX	STRONTIUM (38)	SR-89
AAJY	STRONTIUM (38)	SR-90
AAJZ	STRONTIUM (38)	SR-91
AAKA	STRONTIUM (38)	SR-92
AAKB	SULPHUR (16)	S-35
AAKC	TANTALUM (73)	TA-182
AAKD	TECHNETIUM (43)	TC-96M
AAKE	TECHNETIUM (43)	TC-96
AAKF	TECHNETIUM (43)	TC-97M
AAKG	TECHNETIUM (43)	TC-97
AAKH	TECHNETIUM (43)	TC-99M
AAKJ	TECHNETIUM (43)	TC-99
AAKK	TELLURIUM (52)	TE-125M
AAKL	TELLURIUM (52)	TE-127M

REPLY CODE	REPLY (AN55)	RADIONUCLIDES DATA
AAKM	TELLURIUM (52)	TE-127
AAKN	TELLURIUM (52)	TE-129M
AAKP	TELLURIUM (52)	TE-129
AAKQ	TELLURIUM (52)	TE-131M
AAKR	TELLURIUM (52)	TE-132
AAKS	TERBIUM (65)	TB-160
AAKT	THALLIUM (81)	TL-200
AAKW	THALLIUM (81)	TL-201
AAKX	THALLIUM (81)	TL-202
AAKY	THALLIUM (81)	TL-204
AAKZ	THORIUM (90)	TH-227
AALA	THORIUM (90)	TH-228
AALB	THORIUM (90)	TH-230
AALC	THORIUM (90)	TH-231
AALD	THORIUM (90)	TH-232
AALE	THORIUM (90)	TH-234
AALF	THORIUM (90)	TH-NATURAL
AALG	THULIUM (69)	TM-168
AALH	THULIUM (69)	TM-170
AALJ	THULIUM (69)	TM-171
AALK	TIN (50)	SN-113
AALL	TIN (50)	SN-117M
AALM	TIN (50)	SN-121
AALN	TIN (50)	SN-125
AALP	TRITIUM (1)	H-3
AALQ	TRITIUM (1)	H-3 AS GAS, LUMINOUS PAINT, OR ADSORBED ON SOLID MATERIAL
AALR	TUNGSTEN (74)	W-181
AALS	TUNGSTEN (74)	W-185
AALT	TUNGSTEN (74)	W-187
AALW	URANIUM (92)	U-230
AALX	URANIUM (92)	U-232
AALY	URANIUM (92)	U-233
AALZ	URANIUM (92)	U-234
AAMA	URANIUM (92)	U-235
AAMB	URANIUM (92)	U-236
AAMC	URANIUM (92)	U-238
AAMD	URANIUM (92)	U-NATURAL
AAME	URANIUM (92)	U-ENRICHED
AAMF	URANIUM (92)	U-DEPLETED
AAMG	VANADIUM (23)	V-48
AAMH	VANADIUM (23)	V-49
AAMJ	XENON (54)	XE-125
AAMK	XENON (54)	XE-131M
AAML	XENON (54)	XE-131M, UNCOMPRESSED
AAMM	XENON (54)	XE-133
AAMN	XENON (54)	XE-133, UNCOMPRESSED

REPLY CODE	REPLY (AN55)	RADIONUCLIDES DATA
AAMP	XENON (54)	XE-135
AAMQ	XENON (54)	XE-135, UNCOMPRESSED
AAMR	YTTERBIUM (70)	YB-175
AAMS	YTTRIUM (39)	Y-88
AAMT	YTTRIUM (39)	Y-90
AAMW	YTTRIUM (39)	Y-91M
AAMX	YTTRIUM (39)	Y-91
AAMY	YTTRIUM (39)	Y-92
AAMZ	YTTRIUM (39)	Y-93
AANA	ZINC (30)	ZN-65
AANB	ZINC (30)	ZN-69M
AANC	ZINC (30)	ZN-69
AAND	ZIRCONIUM (40)	ZR-93
AANE	ZIRCONIUM (40)	ZR-95
AANF	ZIRCONIUM (40)	ZR-97

Table 4 - DOCUMENT TYPES

DOCUMENT TYPES

REPLY CODE	REPLY (AF70)
EB	ARMY SERVICE CATALOG
AZ	ARMY SUPPLY MANUAL
EF	ARMY TECHNICAL MANUAL
ED	COMMERCIAL MANUAL
EE	COMMUNICATION EQUIPMENT PARTS CATALOG
DX	DRAWING
FC	EQUIPMENT CHECK LIST
AE	FEDERAL SPECIFICATION
EJ	INSTRUCTION BOOK
EG	MAINTENANCE INSTRUCTIONS HANDBOOK
EK	MAINTENANCE MANUAL
DN	MARINE CORPS STOCK LIST
AC	MILITARY SPECIFICATION
AF	MILITARY STANDARD
EC	NAVY CATALOG OF MATERIAL
AR	NOMENCLATURE CARD
EH	OPERATING INSTRUCTIONS HANDBOOK
EL	PARTS CONTROL LIST
CY	PROCUREMENT PARTS LIST
AS	REPAIR PARTS LIST
AM	STOCK LIST
BZ	SUPPLY BULLETIN
AJ	SUPPLY MANUAL
AB	TECHNICAL MANUAL
AD	TRAINING MANUAL

Reference Drawing Groups

No table of contents entries found.

Technical Data Tables

IDENTIFIED SECONDARY ADDRESS CODING

When the item includes a self-contained power source and the item is also designed for operation from an external power source, the external power source is considered alternate operating. Under this condition reply only alternate operating.

When the item is powered by external power source(s) only reply operating. When the item is powered solely by internal batteries, these batteries do not constitute a self-contained power source but are considered operating.

If you have more than one reply to the same MRC in any series, use I/SAC coding from the Table below to identify the series, then AND/OR Coding. (e.g., ACYN1AJVB110.0$$JVC115.0*; ACYN1BJVB220.0$$JVC230.0$$JVA120.0*)

IDENTIFIED SECONDARY ADDRESS CODING for MRCs ACYN, ACZB, FAAZ, ACYR, and ALSF.

REPLY CODE	REPLY (0360)
1A	1ST ALTERNATE OPERATING POWER RQMT
1M	1ST OPERATING POWER RQMT
1B	2ND ALTERNATE OPERATING POWER RQMT
1N	2ND OPERATING POWER RQMT
1C	3RD ALTERNATE OPERATING POWER RQMT
1P	3RD OPERATING POWER RQMT
1D	4TH ALTERNATE OPERATING POWER RQMT
1Q	4TH OPERATING POWER RQMT
1E	5TH ALTERNATE OPERATING POWER RQMT
1R	5TH OPERATING POWER RQMT
1F	6TH ALTERNATE OPERATING POWER RQMT
1S	6TH OPERATING POWER RQMT
1G	7TH ALTERNATE OPERATING POWER RQMT
1T	7TH OPERATING POWER RQMT
1H	8TH ALTERNATE OPERATING POWER RQMT
1U	8TH OPERATING POWER RQMT
1J	9TH ALTERNATE OPERATING POWER RQMT
1V	9TH OPERATING POWER RQMT
1K	10TH ALTERNATE OPERATING POWER RQMT

REPLY CODE	REPLY (0360)
1W	10TH OPERATING POWER RQMT
1L	11TH ALTERNATE OPERATING POWER RQMT
1X	11TH OPERATING POWER RQMT

STANDARD FRACTION TO DECIMAL CONVERSION CHART

4ths	8ths	16ths	32nds	64ths	To 3	To 4	4ths	8ths	16ths	32nds	64ths	To 3	To 4
				1/64	.016	.0156					33/64	.516	.5156
			1/32	-----	.031	.0312				17/32	------	.531	.5312
				3/64	.047	.0469					35/64	.547	.5469
		1/16	-----		.062	.0625			9/16	-----	-----	.562	.5625
				5/64	.078	.0781					37/64	.578	.5781
			3/32	-----	.094	.0938				19/32	------	.594	.5938
				7/64	.109	.1094					39/64	.609	.6094
	1/8	-----	-----	-----	.125	.1250		5/8	-----	-----	-----	.625	.6250
				9/64	.141	.1406					41/64	.641	.6406
			5/32	-----	.156	.1562				21/32	------	.656	.6562
				11/64	.172	.1719					43/64	.672	.6719
		3/16	-----	-----	.188	.1875			11/16	-----	-----	.688	.6875
				13/64	.203	.2031					45/64	.703	.7031
			7/32	------	.219	.2188				23/32	------	.719	.7188
				15/64	.234	.2344					47/64	.734	.7344
1/4	-----	-----	-----	-----	.250	.2500	3/4	-----	-----	-----	-----	.750	.7500
				17/64	.266	.2656					49/64	.766	.7656
			9/32	------	.281	.2812				25/32	------	.781	.7812
				19/64	.297	.2969					51/64	.797	.7969
		5/16	-----	-----	.312	.3125			13/16	-----	-----	.812	.8125
				21/64	.328	.3281					53/64	.828	.8281
			11/32	------	.344	.3438				27/32	------	.844	.8438
				23/64	.359	.3594					55/64	.859	.8594
	3/8	-----	-----	-----	.375	.3750		7/8	-----	-----	-----	.875	.8750
				25/64	.391	.3906					57/64	.891	.8906
			13/32	------	.406	.4062				29/32	------	.906	.9062
				27/64	.422	.4219					59/64	.922	.9219
		7/16	-----	-----	.438	.4375			15/16	-----	-----	.938	.9375
				29/64	.453	.4531					61/64	.953	.9531
			15/32	------	.469	.4688				31/32	------	.969	.9688
				31/64	.484	.4844					63/64	.984	.9844
					.500	.5000						1.000	1.0000

OUNCE TO DECIMAL OF A POUND CONVERSION CHART

OUNCES	POUNDS
1	0.062
2	0.125
3	0.188
4	0.250
5	0.312
6	0.375
7	0.438
8	0.500
9	0.562
10	0.625
11	0.688
12	0.750
13	0.812
14	0.875
15	0.938
16	1.000

FIIG Change List

FIIG Change List, Effective August 6, 2010

This change replaced with ISAC or and/or coding.